Title: Smart Amplifier for Time Division Duplex Wireless Applications

Inventor: David Ge Serial No.: To Be Assigned Docket No.: 334.0003DIV Customer No.: 25534 Atty: Maurice U. Cahn

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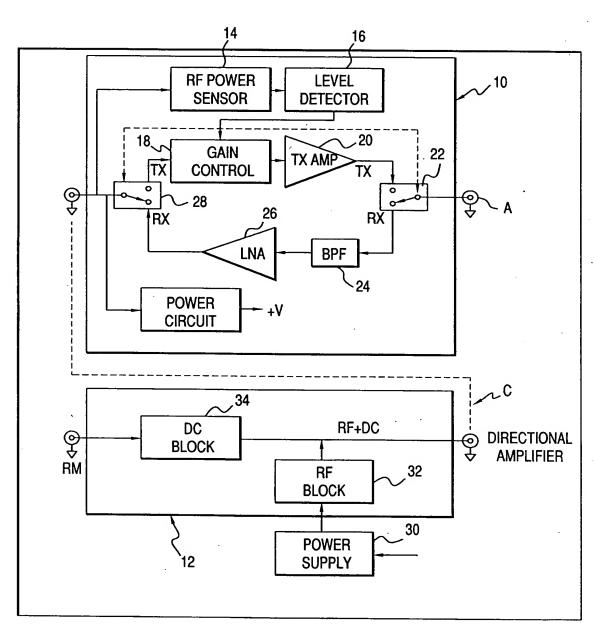


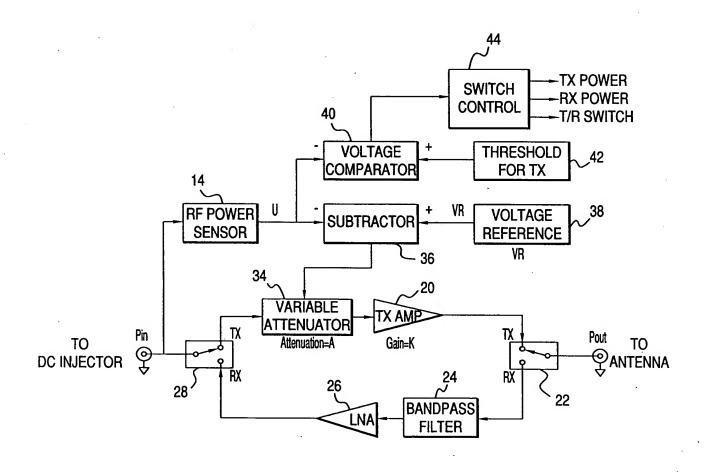
FIG.1

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RF POWER DETECTION AND GAIN CONTROL OPERATION

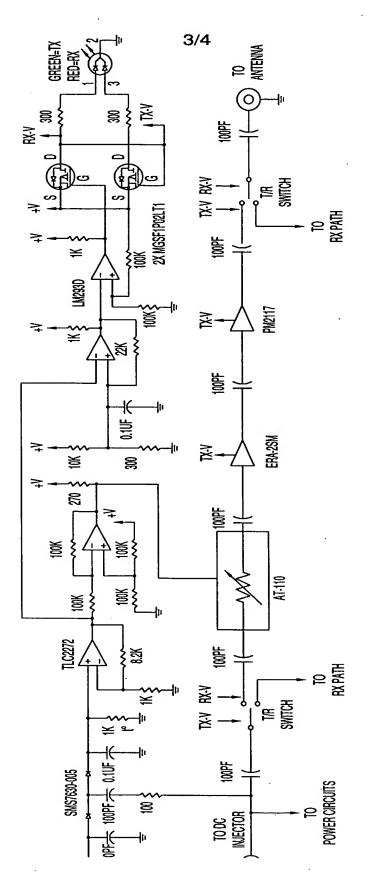
FIG.2

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SCHEMATIC OF THE RF LEVEL DETECTION AND GAIN CONTROL CIRCUITS

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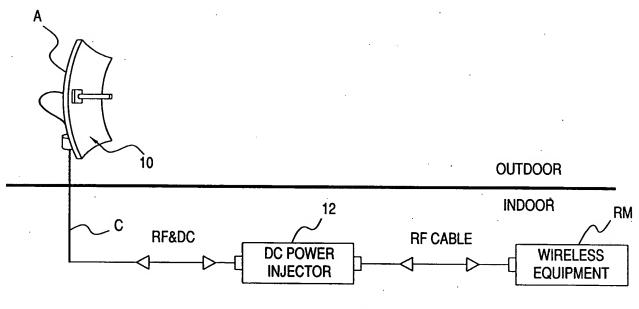


FIG.4

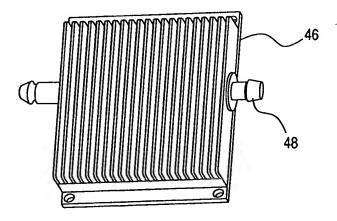


FIG.5